



Submittal Data Sheet

14 Ton, 230V VRV IV HP

RXYQ168TATJU

FEATURES

- Larger capacity single modules ranging up to 14 tons and systems up to 34 tons allow for a more flexible system design
- Variable Refrigerant Temperature (VRT) control allows the VRV IV to deliver up to 28% of improvement in seasonal cooling efficiency compared to previous Daikin VRV heat pump systems
- Modular and lightweight enables flexibility in system layout and installation with larger capacity single modules reducing electrical, piping connections
- System wide auto-climate adjustment technology to increase the energy efficiency
- Improved efficiency with IEER values now up to 28
- The rated seasonal cooling efficiency has been improved by an average of 11%
- All inverter compressors to increase the efficiency and avoid starting current inrush
- Same product structure for 230V and 460V simplifies ordering
- New configurator software designed to simplify the commissioning and maintenance of the system
- Factory standard coil guards
- Assembled in the US to increase flexibility and reduce lead times
- Standard Limited Warranty: 10-year limited parts warranty



BENEFITS

- Can operate up to 29 indoor units on a single piping network
- Modular and lightweight - enables flexibility in system layout and installation
- Refrigerant cooled inverted technology to avoid influence from ambient temperatures
- Integrated inverter technology deliver maximum efficiency during part load conditions and provide precise individual zone control
- Heat exchanger coil wraps around on all 4 sides of the unit to increase the surface area and efficiency
- 3 row 7mm heat exchanger coil improves efficiency
- Corrosion resistance 1000hr salt spray tested Daikin PE blue fin heat exchanger
- Design flexibility with long piping lengths up to 3,280 ft. total and 100 ft. vertical separation between indoor units
- Designed with reduced MOP to optimize installation cost
- Digital display on the unit for improved and faster configuration, commissioning, and trouble shooting



VRV IV





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PERFORMANCE

| | | | |
|----------------------------------|---|--------------------------------------|---|
| Outdoor Unit Model No. | RXYQ168TATJU | Outdoor Unit Name: | 14 Ton, 230V VRV IV HP |
| Type: | Heat Pump | Unit Combination: | |
| Rated Cooling Conditions: | Indoor (°F DB/WB): 80 / 67 Ambient (°F DB/WB): 95 / 75 | Rated Heating Conditions: | Indoor (°F DB/WB): 70 / 60 Ambient (°F DB/WB): 47 / 43 |
| Rated Piping Length(ft): | | | |
| Rated Height Difference (ft): | | | |
| Rated Cooling Capacity (Btu/hr): | 158,000 | Rated Heating Capacity (Btu/hr): | 174,000 |
| Nom Cooling Capacity (Btu/hr): | 164,000 | Nom Heating Capacity (Btu/hr): | 188,000 |
| Cooling Input Power (kW): | 16.20 | Heating Input Power (kW): | 13.30 |
| EER (Non-Ducted/Ducted): | 10.60 / 10.60 | Heating COP (Non-Ducted/Ducted): | 3.3 / 3.2 |
| IEER (Non-Ducted/Ducted): | 22.60 / 19.80 | Heating COP 17F (Non-Ducted/Ducted): | 2.3 / 2.3 |

OUTDOOR UNIT DETAILS

| | | | |
|---------------------------------------|-------------------|----------------------------------|--------------|
| Power Supply (V/Hz/Ph): | 208-230 / 60 / 3 | Compressor Stage: | Inverter |
| Power Supply Connections: | L1, L2, L3 Ground | Capacity Control Range (%): | 10 - 100 |
| Min. Circuit Amps MCA (A): | 55.1 | Capacity Index Limit: | 84.0 - 218.0 |
| Max Overcurrent Protection (MOP) (A): | 60 | Airflow Rate (H) (CFM): | 8228 |
| Max Starting Current MSC(A): | | Gas Pipe Connection (inch): | 1-1/8 |
| Rated Load Amps RLA(A): | 18.8+18.8 | Liquid Pipe Connection (inch): | 5/8 |
| Dimensions (Height) (in): | 66-11/16 | H/L Pressure Connection (inch) | |
| Dimensions (Width) (in): | 48-7/8 | H/L Equalizing Connection (inch) | |
| Dimensions (Depth) (in): | 30-3/16 | Sound Pressure (H) (dBA): | 65 |
| Net Weight (lb): | 695 | Sound Power Level (dBA): | |
| | | Max. No. of Indoor Units: | 29 |

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SYSTEM DETAILS

| | | | |
|--|--------|-----------------------------------|----------|
| Refrigerant Type: | R-410A | Cooling Operation Range (°F DB): | 23 - 122 |
| Holding Refrigerant Charge (lbs): | 17.2 | Heating Operation Range (°F WB): | -4 - 60 |
| Additional Charge (lb/ft): | | Max. Pipe Length (Vertical) (ft): | 295 |
| Pre-charge Piping (Length) (ft): | | Cooling Range w/Baffle (°F DB): | - |
| Max. Pipe Length (Total) (ft): | 540 | Heating Range w/Baffle (°F WB): | - |
| Max Height Separation (Ind to Ind ft): | | | |

DIMENSIONAL DRAWING

